

ABSTRACT

The electromagnetic field energy of a high-frequency signal in a planar dielectric line is concentrated on one surface of a dielectric substrate and the loss when the planar dielectric line is connected to an electronic part, etc., is reduced.

A first slot 4 sandwiched between first and second electrodes 3A and 3B is provided on a surface 2A of a dielectric substrate 2 and a second slot 6 positioned so as to face the first slot 4 and sandwiched between third and fourth electrodes 5A and 5B is provided on the rear face 2B. Then, the width of the first slot 4 is made narrower than the width of the second slot 6. Thus, the electromagnetic field energy of a high-frequency signal can be concentrated in the first slot 4.